

Sequence listing:

Applicants: Commonwealth Scientific and Industrial Research
Organisation

5 University of Western Sydney (Nepean)
Pig Research and Development Corporation

Title of the Invention: Delivery system for porcine somatotropin

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Prior Application Number: PP 6556
Prior Application Filing Date: 1998-10-16

Number of SEQ ID NOs: 3

15

Software: PatentIn Ver. 2.1

SEQ ID NO: 1

Length: 72

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Type: DNA

Organism: Homo sapien

Sequence: 1

atggccctgt ggatgcgcct cctgccctg ctggcgctgc tggccctctg gggacctgac 60

25

ccagccgcag cc

SEQ ID NO: 2

Length: 666

30

Type: DNA

Organism: Artificial Sequence

Feature:

Other Information: Description of Artificial Sequence: ISS-pST gene
35 construct

Sequence: 2

gctagcatgg ccctgtggat gcgcctcctg cccctgctgg cgctgctggc cctctgggga 60
 cctgaccag ccgcagccct cgagatgttt ccagctatgc cactttcttc tctgttcgct 120
 5 aacgtgttc ttcgggcca gcacctgcac caactggctg ccgacaccta caaggagttt 180
 gagcgccct acatcccga gggacagagg tactccatcc agaacgcca ggctgccttc 240
 tgcttctcgg agaccatccc gggccccacg ggcaaggacg agggccagca gagatcggac 300
 gtggagctgc tgcgtttctc gctgctgctc atccagtcgt ggctcgggcc cgtgcagttc 360
 ctcagcaggg tcttcaccaa cagcctggtg tttggcacct cagaccgct ctacgagaag 420
 10 ctgaaggacc tggaggaggg catccaggcc ctgatgcggg agctggagga tggcagcccc 480
 cgggcaggac agatcctcaa gcaaacctac gacaaattt acacaaactt ggcagtgat 540
 gacgcgctgc ttaagaacta cgggctgctc tctgtctca agaaggacct gcacaaggct 600
 gagacatacc tgcgggtcat gaagtgtcgc cgcttcgtgg agagcagctg tgccttctag 660
 tctaga 666

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SEQ ID NO: 3

Length: 217

Type: PRT

20 Organism: Artificial Sequence

Feature:

Other Information: Description of Artificial Sequence: ISS-pST
 peptide sequence

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Sequence: 3

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu

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Trp Gly Pro Asp Pro Ala Ala Ala Leu Glu Met Phe Pro Ala Met Pro

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Leu Ser Ser Leu Phe Ala Asn Ala Val Leu Arg Ala Gln His Leu His

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Gln Leu Ala Ala Asp Thr Tyr Lys Glu Phe Glu Arg Ala Tyr Ile Pro

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Glu Gly Gln Arg Tyr Ser Ile Gln Asn Ala Gln Ala Ala Phe Cys Phe

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80

Ser Glu Thr Ile Pro Ala Pro Thr Gly Lys Asp Glu Ala Gln Gln Arg

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Ser Asp Val Glu Leu Leu Arg Phe Ser Leu Leu Leu Ile Gln Ser Trp

100

105

110

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Leu Gly Pro Val Gln Phe Leu Ser Arg Val Phe Thr Asn Ser Leu Val

115

120

125

Phe Gly Thr Ser Asp Arg Val Tyr Glu Lys Leu Lys Asp Leu Glu Glu

130

135

140

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Gly Ile Gln Ala Leu Met Arg Glu Leu Glu Asp Gly Ser Pro Arg Ala

145

150

155

160

Gly Gln Ile Leu Lys Gln Thr Tyr Asp Lys Phe Asp Thr Asn Leu Arg

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170

175

Ser Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Ser Cys Phe Lys

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Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys Cys Arg

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Arg Phe Val Glu Ser Ser Cys Ala Phe

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